1. For simple log use:
adb logcat -d > logcat.log

2. If you need dmesg (kernel logs) then:
adb shell dmesg > dmesg.log

3. For getting console ramoops:
adb pull /sys/fs/pstore

4. For last kmsg:
adb pull /proc/last_kmsg

5. In Recovery if didn't boot
adb shell dd if=/dev/block/by-name/expdb of=/tmp/expdb.img
adb shell strings /tmp/expdb.img > expdb.txt

6. Extended boot logs
adb root
adb pull /metadata/boot_log.txt

7. Full system dump
adb logcat -b all -d > full_system_dump.txt

8.
adb shell "cat /proc/last_kmsg > /tmp/kmsg.txt 2>/dev/null || cat /sys/fs/pstore/console-ramoops* > /tmp/kmsg.txt 2>/dev/null || dmesg > /tmp/kmsg.txt"
adb pull /tmp/kmsg.txt